

WO 2005/054925

PCT/EP2004/013581

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SPECIFICATION

Electronic Spectacles, Especially Night-Vision Spectacles

The invention pertains to electronic spectacles, especially to night-vision spectacles, of the type indicated in the introductory clause of Claim 1.

There is an increasing need for electronic spectacles, especially night-vision spectacles, for police surveillance purposes, for military operations, and also for sports and leisure-time activities. Such spectacles should be easy to use and light in weight, and it should be possible to use them even when the intensity of the light in the area to be observed changes significantly. With the help of night-vision spectacles, it should be possible to carry out activities at night with the same ease as during the day without the use of additional sources of light.

One type of night-vision spectacles is known from DE 38 06 940 A1, for example. In the case of these night-vision spectacles, low light levels in the form of moonlight or starlight are amplified by an image converter. These night-vision spectacles comprise, for each eye, an objective lens system, an image converter, and a display means. Each of the display means is provided with a lens, through which the image is seen. The image converter consists essentially of a cathode-ray tube, which amplifies the rays of the low available light and sends these amplified rays to the display means, where they can be seen through an eyepiece lens system.